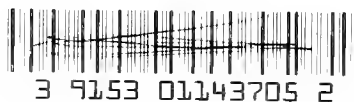


100-1000  
100-1000  
100-1000

Handwritten text on a small white label, partially obscured by a dark, textured background. The text is faint and appears to be a list or index of items, possibly related to a collection or inventory.





CONN  
S  
43  
-E22  
no. 81

# Inspections of COMMERCIAL FERTILIZERS—1983

By Lester Hankin

Chemical analyses of 264 official samples of fertilizer collected during 1983 by inspectors of the Connecticut Department of Agriculture are presented in this Bulletin.

Table 1 shows individual samples from 30 manufacturers. The number designating each sample, as for example 10-10-10, indicates the guaranteed percentage for nitrogen (N) phosphoric acid ( $P_2O_5$ ), and potash ( $K_2O$ ), in that order. A brand name, if available, follows. The actual content found in an official sample is then shown, with deficiencies in italics. Table 2 summarizes for each manufacturer the number of guarantees examined for each plant nutrient, the percentage of the samples not meeting their guarantees, and the average percentage of guarantee found. Table 3 shows distribution of mixed fertilizers sold in Connecticut. Only formulations with analyses from more than three manufacturers are shown; others are placed in the miscellaneous category. The tonnage of fertilizer material and mixed fertilizer sold in Connecticut is shown in Table 4.

Two types of variability affect fertilizer analysis and must be considered in judging deficiencies. The first is

the variability among different batches of the same formulation from a manufacturer. This variability can be noted in Table 1 by examining the analyses of the same formulations from the same manufacturer. The second type of variability is between duplicate analyses of the same sample. The variability among duplicates is shown in the statement: the mean difference between duplicates for nitrogen and potash are one-third percent and for phosphoric acid, one-quarter percent.

Fertilizer samples are deemed deficient in any nutrient if the analysis is below the guarantee by more than values established by the Association of American Plant Food Control Officials.

Analyses were performed by M.A. Illig, H. Kocaba, and M. Pyles. Samples were collected by J. Dippel, A. VanDyke, and D. Nisely under the direction of K. Veit. Fertilizer laws are administered by the Commissioner of Agriculture.

**Lester Hankin**

*Chief, Analytical Chemistry*

Manufacturer, guarantee, & brand		Nutrients found, %		
AGRICO		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
5-10-10		3.2	6.3	4.9
5-10-10		6.1	8.8	7.9
6-3-6		6.1	3.0	6.2
6-3-6		6.6	2.3	5.6
8-24-16		7.4	23.1	14.6
8-40-5		8.5	36.8	5.4
10-6-4	Village Green	11.3	5.9	4.2
10-6-4	Village Green	11.2	4.6	3.2
10-6-4		10.2	5.3	3.3
10-8-10		10.1	6.8	9.1
10-10-10	Village Green	10.2	7.6	9.1
10-10-10		11.9	6.3	6.6
10-10-10		8.7	7.4	4.0
10-10-10		10.7	9.4	7.5
10-20-20		10.8	19.4	15.6
10-20-20		10.2	17.4	13.1
15-0-5		13.0		6.0
15-5-15		13.6	4.0	14.1
15-10-10		15.3	7.7	9.4
15-15-15		14.5	14.3	15.9
17-13-26		16.0	8.9	30.3
17-13-26		16.6	15.3	28.4
17-13-26		15.6	14.4	26.8
17-13-26		14.3	15.9	29.9
17-13-26		18.5	15.1	25.3
17-13-26		19.2	17.3	24.4
19-19-19		18.1	19.0	19.5
19-19-19		19.2	17.6	16.6
38-0-0	Nitroform SLO release nitrogen	37.8		
46-0-0	Urea	45.0		
AGRICULTURAL PRODUCTS CO.				
5-10-5	Plant food all purpose	4.2	10.4	5.1
10-6-4	Guardian Grow Green Lawn Food	10.2	4.3	4.1
AGWAY				
0-3-54			3.7	55.2
0-10-43			10.8	45.7
0-15-30	Alfa B		17.9	27.6
0-16-34			17.4	37.1
0-17-35	Agway Blend		14.0	36.3
0-32-13	Agway Blend		35.4	15.5
1-1-1	Composted Sheep Manure	1.0	0.9	0.7
3-17-34		3.4	18.3	36.3
5-10-5	Garden Plant Food	5.4	5.9	5.1
5-10-10		5.7	10.6	10.6
5-10-10	Blend-Rite	3.7	7.4	8.9
5-10-10	Agway Plant Food	5.0	10.1	9.5
6-29-17		6.6	33.0	18.7
8-4-4	Evergreen Plant Food	9.5	5.0	4.4
8-16-16	Agway Super Garden	8.6	16.2	16.1
9-24-24		9.2	25.5	25.3
10-6-4	Turfood Special	10.1	7.2	4.9
10-10-10	Blend-Rite	11.3	10.7	13.0
10-10-10		11.0	12.5	10.8
10-10-10		10.2	11.8	11.5
10-20-20		10.2	20.1	21.2
10-20-20	Blend-Rite	8.6	17.1	20.6
10-20-10	Corn Starter	11.7	20.2	10.0
15-8-12	Blend-Rite	14.9	7.8	11.3
15-15-15		16.0	14.2	15.2
16-16-16		17.9	12.3	22.1
18-12-18		18.0	15.6	22.0
20-5-7	Greenlawn plus with crab killer	21.4	8.5	6.8
18-14-23		18.2	14.0	27.3
18-18-18		18.9	19.9	20.6
21-5-7	Greenlawn plus with weed killer	18.3	7.5	9.3
22-3-25		23.4	2.5	26.8
22-6-8	Greenlawn plus	22.1	6.2	8.4
22-6-8	Greenlawn plus	21.7	6.7	8.2

Manufacturer, guarantee, & brand		Nutrients found, %		
AGWAY (continued)		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
22-10-20		22.1	9.4	22.9
22-11-15	Agway Blend	22.4	10.1	21.6
22-13-18	Agway Blend	22.9	14.2	17.9
23-11-17		23.9	14.0	19.3
23-12-18		23.3	12.8	17.0
23-12-18	Agway Blend	22.5	6.9	26.6
23-15-15		23.7	15.2	18.4
24-9-14		22.6	9.0	19.8
25-9-18	Agway Blend	32.2	7.0	27.9
25-10-16		25.8	10.6	19.0
25-10-17		24.8	6.9	20.9
26-6-19		26.7	4.1	22.1
26-15-23		17.8	16.5	24.3
28-11-11		30.1	8.7	12.0
30-8-12		30.2	7.3	14.2
31-5-13		30.8	4.8	15.7
32-10-7		31.9	12.6	9.3
33-6-9		33.5	10.1	11.2
ANDERSONS LAWN FERTILIZER				
25-3-6	Crabgrass Prev. and Lawn Food	30.6	4.7	7.3
26-4-8	Stanford's Old English Lawn Food	27.3	4.1	10.5
28-4-12	Hart's Premium Lawn Fertilizer	27.8	4.1	14.5
C. HART SEED CO.				
10-6-4	Hart's Lawn Food	10.0	7.4	4.7
20-12-8	Hart's Professional Turf Food	20.1	11.1	8.1
CADWELL & JONES				
5-10-5	Surge	3.6	7.9	5.1
5-10-10	Specialty Fertilizer	5.1	12.3	11.1
5-10-10	Specialty Fertilizer	5.2	8.3	9.9
5-10-10	Specialty Fertilizer	5.2	6.7	10.6
5-10-10	Specialty Fertilizer	5.3	8.8	10.8
5-10-10	Surge	5.1	8.8	10.2
5-10-10		4.9	6.1	4.7
5-10-10	Plant Food	5.1	9.2	4.6
5-10-10	Surge Plant and Vegetable Food	5.7	10.9	11.5
10-2-8		9.2	2.5	8.8
10-6-4	Surge	10.2	5.4	5.2
10-6-4	Surge	12.7	6.9	5.8
10-6-4	Surge	7.7	5.3	5.5
10-6-4	Surge Lawn and Garden Fertilizer	10.1	4.1	4.5
10-6-4	Specialty Fertilizer	9.5	4.6	3.9
10-10-10	Specialty Fertilizer	10.2	10.7	10.2
10-10-10	Specialty Fertilizer	6.9	7.2	11.8
10-10-10	Specialty Fertilizer	9.0	12.3	10.0
10-10-10	Specialty Fertilizer	10.7	8.1	10.9
10-10-10	Specialty Fertilizer	9.1	7.9	9.4
10-10-10	Specialty Fertilizer	10.1	5.6	10.6
19-19-19		19.8	17.7	21.1
20-3-10	Specialty Fertilizer, Town of Brookfield	22.7	2.4	10.6
20-10-10	Super Surge	19.0	12.7	10.4
20-10-10	Turf Doctor	20.7	11.7	12.6
23-6-9	Surge	23.6	5.6	9.3
25-7-11	Pro-turf Lawn Fertilizer	25.2	5.6	14.5
30-0-0	Specialty Fertilizer	26.6		
CLAREL LABORATORIES, INC.				
0-6-5	Granny's Bloomers African Violets		6.9	5.1
CHILEAN NITRATE CORPORATION				
16-0-0	Champion Nitrate of Soda	13.2		
CLINTON NURSERY PRODUCTS				
4-10-6	New Era African Violet Food	3.8	10.6	8.8
5-1-1	New Era Fish Emulsion	5.1	2.2	1.7
5-10-5	New Era Plant Food	5.2	11.5	5.9



Manufacturer, guarantee, & brand		Nutrients found, %			Manufacturer, guarantee, & brand		Nutrients found, %			Manufacturer, guarantee, & brand		Nutrients found, %																		
CLINTON NURSERY PRODUCTS (continued)		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	FER-MEL		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	O M SCOTT (continued)		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	OLD FOX (continued)		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O											
5-12-9	New Era African Violet Food, (powder)	5.6	13.2	9.6	12-4-8	Fer-Mel	12.9	3.6	8.2	26-3-3	Scott's Turf Builder + 2	26.3	3.1	3.3	19-19-19	Old Fox	19.3	15.8	21.0											
					20-0-10	Fer-Mel Turf Food	21.0		12.0	27-3-3	Scott's Turf Builder	25.0	2.7	3.7	20-4-8	Old Fox Green Gro	21.2	4.6	9.2											
7-15-8	New Era Plant Food	7.6	17.1	8.9	20-4-8	Fer-Mel Fairway Turf Food	18.2	3.7	9.1	27-3-3	Scott's Turf Builder	26.6	2.8	2.9	20-10-10	Old Fox	20.7	7.5	11.8											
12-6-6	New Era Solid Plant Food	13.3	8.0	7.8	20-5-10	Fer-Mel Fairway Turf Food	21.2	5.1	10.3	36-4-4	Scott's Super Turf Builder	35.3	4.7	4.0	20-10-10	Old Fox	18.5	8.1	14.4											
15-30-15	New Era Formula 70 Plant Food	15.2	31.7	14.1	20-12-8	Hart's Pro Turf Food	19.3	12.4	8.8	OLD FOX					30-3-10	Old Fox Power Green	28.6	3.4	10.3											
					25-5-10	Fer-Mel Premium Lawn Food	27.0	4.7	11.0						46-0-0	Old Fox	44.1													
					25-10-10	Fer-Mel Lawn Food	24.7	5.2	11.6																					
					28-7-14	Fer-Mel	31.2	6.6	14.7																					
ESPOMA COMPANY					GENSTAR CHEMICAL, LTD					3-12-10	Old Fox	3.6	10.2	11.0	OPTIFLORA, INC															
4-3-2	Plant-Tone	4.0	4.8	2.3						5-10-5	Garden Pride Garden Food	4.2	8.4	6.3						14-12-14	Optimara Violet Food	13.7	12.1	14.7						
4-3-2	Plant-Tone	4.8	5.3	4.4						5-10-10	Old Fox	4.7	8.4	11.1																
4-6-4	Holly-Tone	4.6	7.7	4.2						5-10-10	Old Fox	4.6	10.3	10.8																
4-6-4	Holly-Tone	5.0	6.1	6.7	34-0-0	Bulls Eye	31.3			5-10-10	Old Fox	5.0	8.4	13.2	PLANT MINDER, INC															
4-6-6	Garden-Tone	4.4	8.7	6.8						5-10-10	Old Fox	5.9	7.9	10.1						3-3-15	Plant Minder Root Juice	3.3	3.5	1.6						
6-6-4	Rose-Tone	5.6	8.8	4.2	INTERNATIONAL SPIKE, INC					5-10-10	Old Fox	4.7	8.0	10.3						PLANT RESEARCH LABS										
6-6-4	Rose-Tone	5.9	6.8	5.0						20-20-20	Jobe's Plant Food	17.8	19.9	21.9											5-10-10	Vegetable Pride	5.4	8.5	10.2	1-2-1
														6-4-6	Old Fox	5.4	3.0	7.3												
														10-6-4	Old Fox Estate Green	8.6	9.7	9.4												
ESTECH GENERAL CHEMICAL COMPANY					JOHN D. LYON					10-6-4	Old Fox Turf Green	8.8	5.0	6.5	ROSS DANIELS															
										10-6-4	Old Fox Turf Green	11.7	4.6	7.3						10-8-10	Old Fox Tobacco Fertilizer	10.4	5.0	12.1	3-8-8	Ross—Special Evergreen Stakes	12.4	19.3	11.1	
										10-8-10	Old Fox	8.7	10.1	10.8						10-10-10	Old Fox	8.7	10.1	10.8	16-10-9	Ross-Gro Stakes Trees and Shrubs	16.7	10.1	9.7	
										10-10-10	Old Fox	8.8	10.5	13.3						10-10-10	Old Fox	8.8	10.5	13.3	16-10-9	Ross Super Stakes	16.4	7.0	9.9	
5-10-5	K-Mart Lawn and Garden	3.3	3.9	5.8	5-10-5	Hart's All Purpose Plant Food	5.4	10.2	5.3	10-20-20	Old Fox	8.9	17.2	20.2	STANFORD SEED COMPANY															
5-10-5	Liberty Plant Food	5.0	7.1	3.1	10-6-4	Hart's Lawn Food	10.0	6.7	11.4	12-1-6	Old Fox Green and Tee	12.1	0.9	6.2						18-3-5	Old English Soil Insecticide and Fertilizer with Diazinon	20.2	5.7	9.3						
5-10-5	Perk Up Plant Food	4.4	9.3	5.7	10-6-4	Hart's Two for One Fertilizer and Weed Killer	12.8	8.2	6.3	12-2-8	Old Fox Fair Gran	9.9	1.5	11.2						W R. GRACE COMPANY										
5-10-10	Red Steer	4.2	9.3	9.4	10-6-4	Green Gold Crab Kill and Lawn Fertilizer	11.4	6.4	4.2	12-2-8	Old Fox Turf Gran	12.5	3.0	10.6											12-36-14	Peter's African Violet Special	12.7	38.6	14.0	
5-10-10	Red Steer	5.0	9.1	9.9						15-4-8	Holdridge Super Lawn Care	15.3	4.9	8.0	33.5-0-0	Grace Nitrex	29.3													
5-10-10	Suburban	4.7	7.9	6.0	9-5-3	Lebanon Acre	12.3	7.4	5.1	15-4-8	Old Fox Super Lawn Gro	13.4	4.2	10.0																
5-10-10	Suburban	8.2	12.0	9.3	9-8-8	Rose Food	9.3	10.5	10.1		N organic	15.6	4.3	12.1	Table 2. Summary for Each Manufacturer of Number of Claims for Individual Plant Nutrients, Percentage of Claims Not Meeting Guarantee, and Average Percentage of Guarantee for Each Nutrient															
6-2-0	Gro-Tone Nitrogenic	5.5	5.0		9-17-9	Green View Green Start	8.5	17.1	10.6	15-10-10	Old Fox	13.8	11.3	8.4																
6-8-6	Gro-Tone Evergreen Food	6.1	7.0	6.1	9-17-9	Green View Green Start	9.5	18.9	11.3	15-15-15	Old Fox	14.3	15.4	13.2																
6-9-5	Vigoro Rose Food	6.1	4.8	5.4	10-10-10	Lebanon Multi Purpose Fertilizer	10.6	11.1	10.2																					
6-10-4	Vigoro All Purpose Fertilizer	6.8	14.6	4.7	10-20-10	Green View Garden Mate	10.8	16.3	12.9	Table 2. Summary for Each Manufacturer of Number of Claims for Individual Plant Nutrients, Percentage of Claims Not Meeting Guarantee, and Average Percentage of Guarantee for Each Nutrient																				
7-10-5	Gro-Tone Rose Food	6.1	10.3	6.7	12-10-10	Green View Shrub Mate	12.4	10.8	11.3											Company	No Samples	Number of Claims		% Not Meeting Claim		Average % of Claim				
10-3-6	Blue Seal Turf Green	10.6	3.9	6.5	18-3-12	Lebanon Country Club	18.6	3.2	12.0													N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O			
10-6-4	Deerfield Lawn Food	10.3	4.6	4.5	22-4-4	Green View Crabicide Green	26.1	4.7	5.9											AGRICO	30	30	27	28	30.0	59.3	42.9	100	91	91
10-6-4	Perk Up Lawn Food	8.2	4.8	4.9	25-3-3	Sears Superfine Weed and Feed	25.9	2.7	3.4											AGRICULTURAL PRODUCTS CO	2	2	2	2	50.0	50.0	0	93	88	102
10-6-4	Perk Up Lawn Food	10.0	5.0	5.7	30-4-4	Green View Green Power	30.2	3.8	4.4											AGWAY	52	46	52	52	8.7	21.2	1.9	103	104	112
10-6-4	Park Ridge All Purpose	9.8	6.7	2.3	30-4-4	Green View Green Power	31.6	3.6	4.7											ANDERSONS LAWN FERT	3	3	3	3	0	0	0	107	121	125
10-6-4	Liberty Lawn Food	10.4	4.5	3.8	30-4-4	Green View Green Power	30.9	4.3	4.2											C HART SEED COMPANY	2	2	2	2	0	50.0	0	100	108	109
10-6-4	Liberty Lawn Food	9.5	4.2	5.0	30-4-4	Green View Green Power	32.0	3.8	4.1											CADWELL & JONES	28	28	27	27	28.6	51.9	0	99	91	110
10-6-4	Lawn Craft Turf Food	10.2	3.9	2.0																CLAREL LABORATORIES	1	0	1	1	—	0	0	—	115	102
10-10-20	Gro-Tone Fall Fertilizer	10.0	8.4	21.0																CHILEAN NITRATE CORPORATION	1	1	0	0	100	—	—	83	—	—
10-10-20	Gro-Tone Fall Fertilizer	9.1	10.7	16.5																CLINTON NURSERY PRODUCTS	7	7	7	7	0	0	0	105	129	125
10-10-10	Park Ridge All Purpose	7.3	4.6	7.3	LOFT'S SEED, INC					ESPOMA COMPANY	7	7	7	7	0	0	0	109	139	136										
10-10-10	Suburban	10.1	7.6	17.1						6-2-0	Milorganite Activated Sewage Sludge	6.7	3.2		ESTECH GENERAL CHEM CO	48	47	46	46	28.3	41.3	26.1	101	107	109					
12-4-8	Gro-Tone Turf and Tree Food	10.4	4.6	7.1						13-11-15	Lott's Fall Feed and Seed Starter	11.5	11.8	20.0	FER-MEL	8	8	7	8	12.5	0	0	105	97	110					
15-8-12	Red Steer	15.4	13.3	14.1						28-3-8	Lott's Lawn Food	32.1	3.7	10.6	GENSTAR CHEM	1	1	0	0	100.0	—	—	92	—	—					
20-0-16	Par-Ex	11.9		17.7	LOTT'S RED SEAL COMPANY					INTERNATIONAL SPIKE	1	1	1	1	50.0	0	0	89	100	100										
20-0-16	Par-Ex Slow Release	20.1		16.2						1-3-0-5	Mother Nature 100% Natural Organic Plant Food	0.8	0.6	0.7	JOHN D. LYON	1	1	1	1	0	0	0	98	90	102					
20-0-16	Vigoro Lawn Fertilizer for North Lawn	21.6	3.8	4.9						1-3-0-5	Organic Plant Food — 100% Natural	0.9	0.8	0.7	LEBANON CHEMICAL	18	18	18	18	0	5.6	0	108	109	130					
20-3-10	Terre Weed and Feed	21.0	4.7	8.3											LOFT'S SEED	2	2	2	2	50.0	0	0	102	115	133					
20-5-10	Liberty	20.3	7.9	10.0	MILWAUKEE METRO SEWERAGE DISTRICT					LOTT'S RED SEAL	1	1	1	1	0	0	0	98	110	130										
20-10-5	K-Mart Lawn Food	17.1	7.3	2.3						15-5-0-0	Viking Ship Calcium Nitrate	13.9			MILWAUKEE METRO SEWERAGE	1	1	1	1	0	0	—	112	160	—					
20-3-10	Terre Super Lawn Spur	16.6	2.7	7.3											NEW ENGLAND FARMS	2	2	2	2	0	100.0	0	85	23	140					
20-3-10	Gro-Tone Crab Pre and Lawn Fertilizer	18.5	3.6	11.8											NORSK HYDRO	1	1	0	0	100.0	—	—	90	—	—					
22-3-11	Gro-Tone Crab Pre and Lawn Fertilizer	22.1	3.3	19.3	NORSK HYDRO					NUTRICO	1	1	1	1	0	0	0	105	92	103										
23-5-5	Gro-Tone Weed Control and Lawn Fertilizer	17.1	4.5	3.5						15-5-0-0	Viking Ship Calcium Nitrate	13.9			O M SCOTT	7	7	7	7	28.6	0	0	99	107	103					
23-5-5	Gro-Tone Weed Control and Lawn Fertilizer	23.3	8.3	5.1											OLD FOX	30	30	29	29	43.3	44.8	6.9	97	96	123					
23-5-5	Gro-Tone Weed Control and Lawn Fertilizer	23.3	5.5	5.1						10-6-4	Nutrco Lawn Food—50% organic	10.5	5.5	4.1	OPTIFLORA	1	1	1	1	0	0	0	98	101	105					
24-4-12	Par-Ex	24.6	6.1	13.4	NUTRICO, INC					PLANT MINDER	1	1	1	1	0	0	0	110	117	107										
24-4-12	Vigoro Lawn Fertilizer	24.6	7.4	13.2											PLANT RESEARCH LABORATORIES	1	1	1	1	0	0	0	120	110	120					
24-4-12	Vigoro Lawn Fertilizer	24.6	7.7	13.8						18-24-6	Scott's Starter Fertilizer	18.9	25.8	6.0	ROSS DANIELS	3	3	3	3	0	50.0	0	121	137	119					
24-4-12	Weed Control and Lawn Fertilizer	24.2	2.4	11.8						18-24-6	Scott's Grow Transplants	18.1	27.6	6.0	STANFORD SEED COMPANY	1	1	1	1	0	0	0	112	190	186					
25-3-3	Gro-Tone Lawn Food	25.3	3.6	8.2	25-3-3	Scott's Turf Builder + Halts	23.8	3.7	2.7	W R. GRACE	2	2	1	1	50.0	0	0	97	107	100										
25-3-3	Super K-Gro Weed Feed	26.3	2.2	4.2	O M SCOTT																									
26-3-5	Par-Ex Slow Release Weed Feed	23.2	5.1	3.0																										
29-3-10	Par-Ex Slow Release	30.1	3.2	10.0																										



**Table 3. Distribution of Mixed Fertilizer Sold in Connecticut  
July 1, 1982-June 30, 1983**

GRADE	TONS	GRADE	TONS
4-6-4	585	20-5-10	436
5-10-5	1231	20-10-10	375
5-10-10	1080	20-20-20	59
5-20-20	13	22-4-4	86
6-24-24	30	24-12-18	194
7-7-7	29	25-3-3	642
9-5-3	12	25-3-5	81
9-17-9	20	25-5-10	302
10-6-4	2632	26-4-6	80
10-10-10	5059	27-3-3	1083
10-20-10	491		
10-20-20	365	30-4-4	322
12-4-8	73	46-0-0	519
12-10-10	18	<b>Total</b>	<b>18288</b>
15-8-12	670	<b>Miscellaneous</b>	<b>16552</b>
15-10-10	1396	<b>Total</b>	<b>34840</b>
15-30-15	94		
16-8-8	51		
19-4-4	157		
19-19-19	76		
20-4-4	27		

**Table 4. Tonnages of Fertilizer Materials and Mixed Fertilizers  
Sold in Connecticut During the Period  
July 1, 1982-June 30, 1983**

Commodity	Tons
<i>Chemical Nitrogen</i>	
Ammonium nitrate	131
Calcium nitrate	130
Nitrogen solutions	72
Sodium nitrate	64
Urea	1963
Ureaform	24
Other nitrogen materials	33
<b>Total</b>	<b>2417</b>
<i>Phosphates</i>	
Ammonium phosphate	8
Bonemeal	133
Phosphate rock	15
Superphosphate 20%	18
Superphosphate 46%	61
Other phosphate materials	34
<b>Total</b>	<b>269</b>
<i>Potash</i>	
Muriate of potash	565
Potassium carbonate	8
Potassium magnesium sulfate	4
Potassium nitrate	60
Potassium sulfate	9
Other potassium materials	11
<b>Total</b>	<b>657</b>
<i>Natural Organics</i>	
Cottonseed meal	216
Dried blood	12
Dried manure	3584
Linseed meal	6
Sewage Sludge	510
Gelatin	5
Miscellaneous organics	862
<b>Total</b>	<b>5195</b>
<i>Secondary and Micronutrients</i>	
Aluminum	11
Borax	17
Gypsum	84
Iron	74
Magnesium	7
Sulfur	3
<b>Total</b>	<b>196</b>
<b>Total — commodities</b>	<b>8734</b>
<b>Total commercial fertilizers</b>	<b>34840</b>
<b>Grand total</b>	<b>45574</b>

Digitized by the Internet Archive  
in 2011 with funding from  
LYRASIS members and Sloan Foundation

<http://www.archive.org/details/inspectionsofcom819hank>





University of  
Connecticut  
Libraries

---



39153028938605

